

CLAIMS:

Sub. α' > 1. A fence for a cutting table, comprising:

an elongated cutting guide;

motion conditioning members configured for attachment to the cutting table and releasably connected by aligning lugs to the cutting guide to permit substantially linear motion of the elongated cutting guide while holding the elongated cutting guide at a prescribed angular relation; and

wherein the aligning lugs are configured to permit the elongated cutting guide to be lifted upwardly from engagement with the motion conditioning members.

2. A fence for a cutting table as defined by claim 1, further comprising:

a locking mechanism operatively connected to the cutting guide and configured to secure the cutting guide in a selected position along the motion conditioning members.

3. A fence for a cutting table, comprising:

- a pair of elongated guide rails with brackets configured to be mounted to the cutting table;
- an endless chain on each guide rail, trained about sprockets rotatably mounted on the guide rail;
- each chain including sprocket tooth receiving spaces and a working flight extending along the associated guide rail;
- a shaft interconnecting one of the sprockets on one guide rail with another one of the sprockets on the remaining guide rail;
- an elongated cutting guide;
- aligning lugs operably mounted to the cutting guide and releasably received within selected tooth receiving spaces of the chains in such a manner that the cutting guide may be selectively engaged with the chains and lifted from the chains; and
- a locking mechanism configured to secure the cutting guide in a selected position along the working flights of the chains.

4. A fence for a cutting table as defined by claim 3, further comprising:

a lug adjustor operatively connected between the cutting guide and one of the aligning lugs, configured to adjustably position the one aligning lug laterally with respect to the cutting guide.

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1           5.     A fence for a cutting table as defined by claim 3, wherein  
2 the shaft is comprised of:

3           an extendible drive shaft secured to the one sprocket and said  
4 another one of the sprockets.

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6           6.     A fence for a cutting table as defined by claim 3, wherein  
7 the chains are roller chains.

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9           7.     A fence for a cutting table as defined by claim 3, further  
10 comprising base blocks mounted at opposed ends of the cutting guide;  
11 and

12           wherein the aligning lugs are mounted to the base blocks.

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14 Sub. 02 > 8.    A fence for a cutting table as defined by claim 3, further  
15 comprising base blocks mounted at opposed ends of the cutting guide;  
16           wherein each base block includes a chain receiving groove formed  
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18           wherein the aligning lugs are mounted to the base blocks within  
19 the chain receiving grooves.  
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9. A fence for a cutting table as defined by claim 3, further comprising:

base blocks mounted at opposed ends of the cutting guide;  
each base block including a chain receiving groove formed therein;  
wherein the aligning lugs are situated within the chain receiving grooves;

a lug adjuster on one of the base blocks, mounting one of the aligning lugs and configured to adjust the one aligning lug laterally with respect to the cutting guide.

10. A fence for a cutting table as defined by claim 3, further comprising base blocks mounted at opposed ends of the cutting guide; and

a lug adjuster or on one of the base blocks, mounting one of the aligning lugs and configured to selectively shift the one aligning lug laterally with respect to the cutting guide.

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11. A fence and cutting table, comprising:

a table top with a substantially planar top surface and substantially parallel forward and rearward side edges;

a pair of elongated guide rails, each including an elongated guide surface;

brackets mounting the pair of guide rails to the table top in substantial parallel relation to the forward and rearward edges and with the guide surfaces substantially parallel to the top surface;

an endless chain on each guide rail, trained about sprockets rotatably mounted on the guide rail;

each chain including a working flight extending along the associated guide rail guide surface;

each chain further including sprocket tooth receiving spaces;

a shaft interconnecting one of the sprockets on one guide rail with another one of the sprockets on the remaining guide rail for common rotation;

an elongated cutting guide spanning the top surface of the table top;

aligning lugs operably mounted to the cutting guide and releasably received within selected tooth receiving spaces of the chains and configured in such a manner that the cutting guide and aligning lugs may be selectively engaged with the chains and lifted from the chains; and

1 a locking mechanism configured to secure the cutting guide in a  
2 selected position along the working flights of the chains.

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4 12. A fence and cutting table as defined by claim 11, further  
5 comprising:

6 a lug adjustor operatively connected between the cutting guide and  
7 one of the aligning lugs, configured to selectively position the one  
8 aligning lug laterally with respect to the cutting guide.

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10 13. A fence and cutting table as defined by claim 11, wherein  
11 the shaft is comprised of:

12 an extendible drive shaft secured to the one sprocket and said  
13 another one of the sprockets.

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15 14. A fence and cutting table as defined by claim 11, wherein  
16 the chains are roller chains.

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18 15. A fence and cutting table as defined by claim 11, further  
19 comprising base blocks mounted at opposed ends of the cutting guide;  
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21 wherein the aligning lugs are mounted to the base blocks.  
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1 16. A fence and cutting table as defined by claim 11, further  
2 comprising;

3 base blocks mounted at opposed ends of the cutting guide;

4 wherein each base block includes a chain receiving groove formed  
5 therein; and

6 wherein the aligning lugs are mounted to the base blocks within  
7 the chain receiving grooves.

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9 Sub.  $\alpha^3$  17. A fence and cutting table as defined by claim 11, further  
10 comprising base blocks mounted at opposed ends of the cutting guide;  
11 and

12 wherein the aligning lugs include a first aligning lug on one of  
13 the base blocks; configured to secure the cutting guide to one of the  
14 chains and a second aligning lug on a remaining one of the base  
15 blocks; and

16 a lug adjustor operatively connected between the cutting guide and  
17 the second aligning lug, configured to selectively position the second  
18 aligning lug laterally with respect to the cutting guide.  
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1 18. A fence and cutting table as defined by claim 11, further  
2 comprising a pair of base blocks, each mounted at an end of the  
3 cutting guide; and

4 wherein the locking mechanism includes a clamp bar mounted to  
5 one of the base blocks by a tightener configured to clamp the  
6 remaining base block to the cutting table top.

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